

PENDING CLAIMS

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1. (currently amended): An image generation method for generating a two-dimensional image by texture mapping to three-dimensional polygons including textures to be mapped to generate an overall pattern on a polygon, and modulation textures, comprising the steps of:

multiplying a texture by a modulation texture generating an overall pattern on said polygons by mapping of basic textures, and

~~executing by amplitude modulation mapping of modulation textures, amplitude modulation processing on patterns generated based on the mapping of said basic textures.~~

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2. (currently amended): The image generation method as described in claim 1, wherein in said ~~amplitude modulation processing~~, multiplying step an amplitude is made smaller with increasing distance from the vicinity of a viewpoint.

3. (currently amended): The image generation method as described in claim 1, wherein a repetition period of ~~said basic textures~~ and a repetition period of ~~said modulation textures~~ are offset from each other.

4. (currently amended): The image generation method as described in claim 1, wherein said modulation ~~textures are~~ texture is set to higher spatial frequencies than those

of said ~~texture basic textures~~, with color information removed from said ~~texture basic textures~~.

5. (currently amended): The image generation method as described in claim 1, wherein said modulation textures consist texture consists of different patterns from said ~~texture basic textures~~.

6. (currently amended): An image generation device for generating a two-dimensional image by texture mapping to three-dimensional polygons, comprising:

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cont.
a memory means that stores ~~basic~~ textures to be mapped to generate ~~the~~ an overall pattern on a polygon, and modulation textures used to amplitude-modulate the patterns generated by mapping of the ~~basic textures~~; and

~~an image processing a multiplying means multiplying a texture by a modulation texture that, by amplitude modulation mapping of modulation textures, executes amplitude modulation processing on the patterns generated based on mapping of the basic textures.~~

7. (currently amended): The image generation device as described in claim 6, wherein in said ~~amplitude modulation processing~~, multiplying the amplitude is made smaller with increasing distance from the vicinity of a viewpoint.

8. (currently amended): The image generation device as described in claim 6, wherein a repetition period of ~~said basic~~ textures and a repetition period of ~~said~~ modulation textures are offset from each other.

9. (currently amended): The image generation device as described in claim 6, wherein said modulation ~~textures~~ texture is are set to higher spatial frequencies than those of said texture ~~basic textures~~, with color information removed from said texture ~~basic~~ textures.

10. (currently amended): The image generation device as described in claim 6, wherein said modulation ~~textures consist~~ texture consists of different patterns from said texture ~~basic textures~~.

11. (new): The image generation device as described in claim 6, wherein a pixel value of a modulation texture represents the intensity for multiplying to the pixel value of an image drawn using said texture.